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Proceedings of the 27th ACM SIGPLAN-SIGACT symposium on Principles of programming languages January 2000
> The Ambient Calculus is a process calculus where processes may reside within a hierarchy of locations and modify it. The purpose of the calculus is to study mobility, which is seen as the change of spatial configurations over time. In order to describe properties of mobile computations we devise a modal logic that can talk about space as well as time, and that has the Ambient Calculus as a model.

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P. Ciancarini , F. Franzé , C. Mascolo
ACM Transactions on Software Engineering and Methodology (TOSEM) April 2000
Volume 9 Issue 2
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Massimo Merro , Matthew Hennessy
ACM SIGPLAN Notices , Proceedings of the 29th ACM SIGPLAN-SIGACT symposium on Principles of programming languages
January 2002
Volume 37 Issue 1

We study a variant of Levi and Sangiorgi's Safe Ambients (SA) enriched with *passwords* (SAP). In SAP by managing passwords, for example generating new ones and distributing them selectively, an ambient may now program who may migrate into its computation space, and when. Moreover in SAP an ambient may provide different services depending on the passwords exhibited by its incoming clients. We give an *lts* based operational semantics for SAP and a labelled *bisimulation* based equi ...

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Proceedings of the 2001 ACM symposium on Applied computing March 2001

Advancements in network-aware computing has prompted the study of novel programming languages with advanced programming abstractions to support various forms of mobility and to coordinate and monitor the use of resources. This work addresses the issue of designing debuggers for network-aware programming languages. In our approach a debugger is viewed as being an extension of the underlying programming language with suitable debugging abstractions. We apply this idea to Cardelli and Go ...

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ACM SIGPLAN — SIGSOFT workshop on on Program analysis for software tools and engineering June 2001
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